

# Technical Data Sheet

FMC100 Flow Meter in Polypropylene Construction

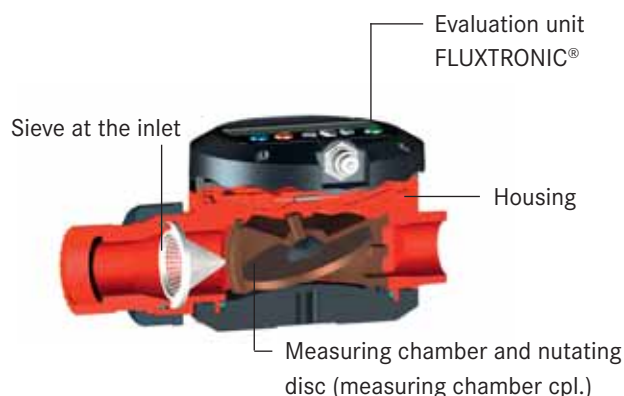


More than just pumps




## Advantages/characteristics:

- ▶ Nutating disc design
- ▶ For low-viscosity to medium-viscosity media
- ▶ With integrated digital display unit  
FLUXTRONIC®  
or available as pulse version
- ▶ Depending on type for use with drum pump or for use in piping
- ▶ Flow rate of 2.64 - 26.4 GPM (10 - 100 l/min)
- ▶ High accuracy and repeat accuracy
- ▶ Signal transduction at FLUXTRONIC® or other external control e. g. PCC possible
- ▶ Display in litre, gallon or kilogram possible
- ▶ Semiautomatic filling in connection with a switching amplifier possible
- ▶ For Ex-application in zone 1

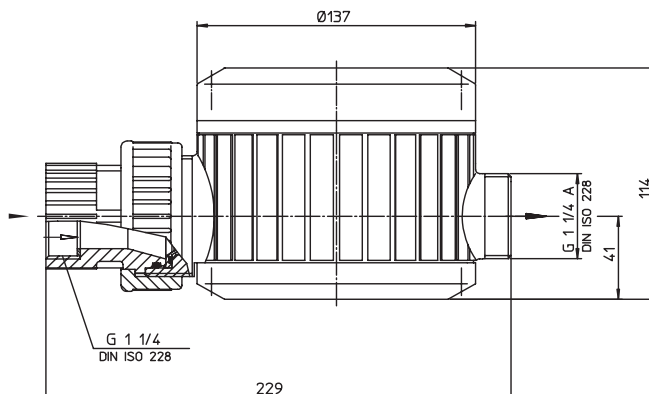


### Technical data

	FMC 100
Versions also in	
Protection class	IP 54
Application area	For manual or semi-automatic filling
Flow rate GPM (l/min)	2.64 - 26.4 (10 - 100)
Measurement error of the flow rate	+/- 1.5 %
Repeatability	+/- 0.15 %
Operating pressure max.	58 psi (4 bar)
Viscosity max.	2,500 cPs
Material housing	Polypropylene

# Technical Data Sheet

## FMC100 in Polypropylene for Portable Use with Drum Pumps



Type	FMC 100/PP/0/F	FMC 100/PP/1/F	FMC 100/PP/2/F
Flowrate	2.6-26.4 GPM (10-100 lpm)	2.6-26.4 GPM (10-100 lpm)	2.6-26.4 GPM (10-100 lpm)
Operating pressure	max. 58 PSI (4 bar)	max. 58 PSI (4 bar)	max. 58 PSI (4 bar)
Viscosity	max. 2,500 cPs	max. 2,500 cPs	max. 2,500 cPs
Operating temperature	max. 140°F (60°C)	max. 140°F (60°C)	max. 140°F (60°C)
Accuracy	± 1%	± 1%	± 1%
Mode of operation	Normal mode or auto mode in conjunction with an interface amplifier		
Inlet-outlet connections	G 1¼ - 1¼ A BSP 1¼" female - BSP 1¼" male	G 1¼ - 1¼ A BSP 1¼" female - BSP 1¼" male	G 1¼ - 1¼ A BSP 1¼" female - BSP 1¼" male
	connecting piece to drum pump included in the FMC		
Material: meter body	Polypropylene (PP)	Polypropylene (PP)	Polypropylene (PP)
Material: measuring chamber	PPS	PPS	PPS
Material: seal	EPDM (0)	FKM (1)	FEP (2)
Weight	2.4 lbs (1.1 kg)	2.4 lbs (1.1 kg)	2.4 lbs (1.1 kg)
Part No.	10-A04 00 005	10-A04 00 007	10-A04 00 009

### Version without digital display unit for use with quick action tap.

Flow meter with top cover and connecting cable, 16ft (5m) long.

Part No.	10-A04 00 035	10-A04 00 037	10-A04 00 039
----------	---------------	---------------	---------------

## Accessory for all models FMC

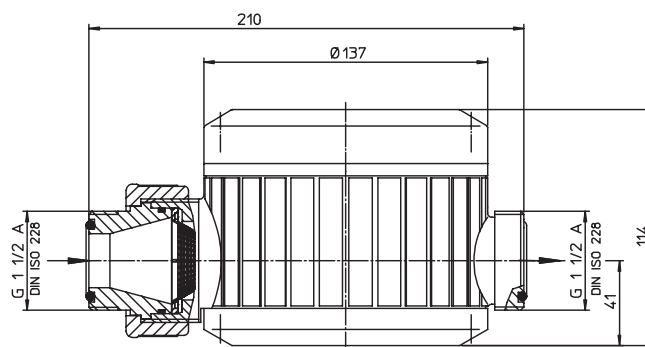


Protective boot for display unit against impurities and corrosive vapours

Part No. 10-001 42 017

# Technical Data Sheet

## FMC100 in Polypropylene for Fixed Installation into Pipework



Type	FMC 100/PP/0/A	FMC 100/PP/1/A	FMC 100/PP/2/A
Flowrate	2.6-26.4 GPM (10-100 lpm)	2.6-26.4 GPM (10-100 lpm)	2.6-26.4 GPM (10-100 lpm)
Operating pressure	max. 58 PSI (4 bar)	max. 58 PSI (4 bar)	max. 58 PSI (4 bar)
Viscosity	max. 2,500 cPs	max. 2,500 cPs	max. 2,500 cPs
Operating temperature	max. 140°F (60°C)	max. 140°F (60°C)	max. 140°F (60°C)
Genauigkeit	± 1%	± 1%	± 1%
Accuracy	Normal mode or auto mode in conjunction with an interface amplifier		
Inlet-outlet connections	G 1½ A - G 1½ A BSP 1½" - BSP 1½" male	G 1½ A - G 1½ A BSP 1½" - BSP 1½" male	G 1½ A - G 1½ A BSP 1½" - BSP 1½" male
Material: meter body	Polypropylene (PP)	Polypropylene (PP)	Polypropylene (PP)
Material: measuring chamber	PPS	PPS	PPS
Material: seal	EPDM (0)	FKM (1)	FEP (2)
Weight	2.4 lbs (1.1 kg)	2.4 lbs (1.1 kg)	2.4 lbs (1.1 kg)
Part No.	10-A04 00 012	10-A04 00 014	10-A04 00 016

### Version for use with external digital display unit

Flow meter with top cover and connecting cable, 16ft (5m) long.

Part No.	10-A04 00 041	10-A04 00 043	10-A04 00 045
----------	---------------	---------------	---------------

### External digital display unit / Part No.

for wall mounting	10-001 42 008	for mounting into a switchboard	10-001 42 009
-------------------	---------------	---------------------------------	---------------

### Accessories

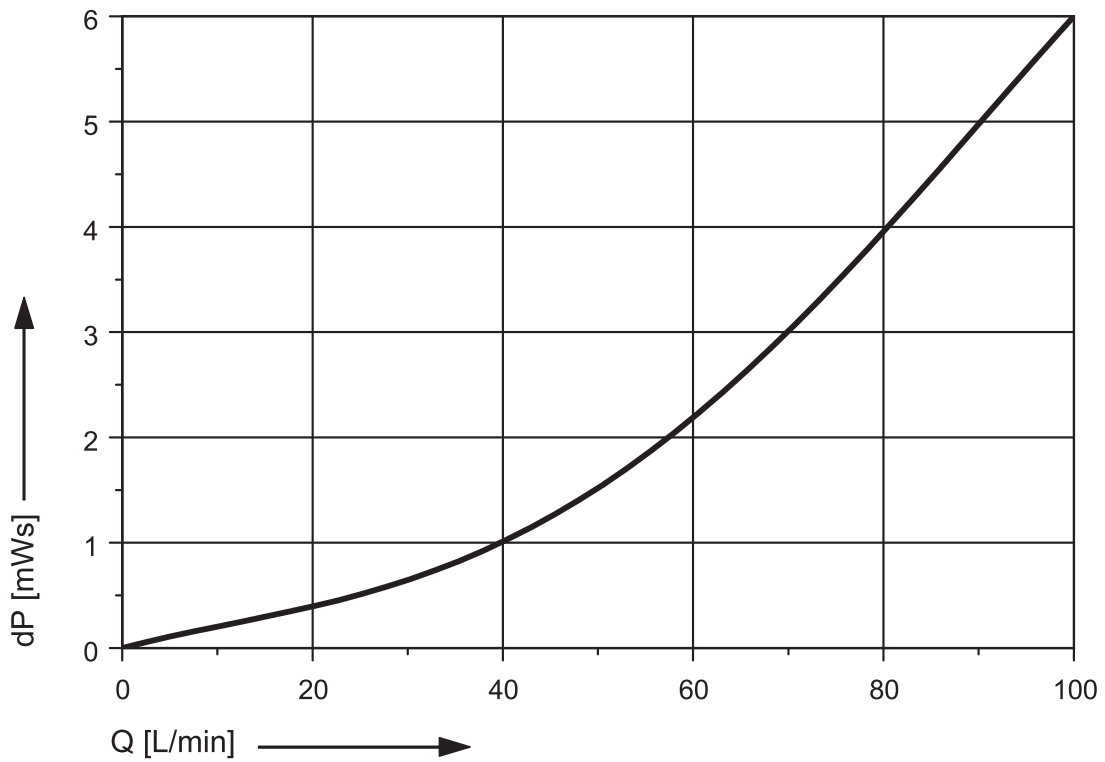
Part No.			
Pipe connection DN 25 (PP)	10-001 41 947	10-001 41 947	10-001 41 947
Flange DN 25 (PP)	10-001 41 907	10-001 41 909	10-001 41 911
Flange DN 32 (PP)	10-001 41 913	10-001 41 915	10-001 41 917

# Technical Data Sheet

FMC 100 Flow Meter in Polypropylene Construction

## Type FMC 100 Pressure Loss Chart

Values with water at 68°F (20)°C  
Tolerance  $\pm 5\%$



# Technical Data Sheet

Application and installation examples



Shown in version for semi-automatic with one-touch start batch/metering ability.



Shown in version for manual batching & metering transfer applications.



Shown in version for semi-automatic with one-touch start batch/metering ability utilizing bottom outlet of IBC.



Shown in version for manual batching & totalizing being used with an air-operated double diaphragm pump.

**FLUX PUMPS CORPORATION**  
300 Townpark Drive, Suite 130  
Kennesaw, GA 30144, USA  
Phone 800-367-3589  
info@fluxpumpsusa.com  
www.fluxpumpsusa.com